



DIVIDING FRACTIONS

LESSON 10

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Connect

RULES:

Change the fraction after the division sign to its **Reciprocal** and multiply the fractions by:

Multiply the numerators of the fractions

Multiply the denominators of the fractions

Place the product of the numerators over the product of the denominators

Simplify the Fraction .

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Practice

EXAMPLES

$$\frac{1}{2} \times \frac{2}{1} = \frac{2}{2} = 1$$

SOLVE

$$\frac{-4}{-5} \div \frac{-3}{6}$$

$$\frac{4}{5} \times \frac{-6}{3}$$

$$\frac{-24}{15}$$

$$\boxed{\frac{-8}{5}} = -1\frac{3}{5}$$

$$2\frac{2}{5} \div \frac{-3}{4}$$

$$\frac{12}{5} \times \frac{-4}{3}$$

$$\frac{-48}{15}$$

$$\frac{-16}{5} = \boxed{-3\frac{1}{5}}$$

$$\frac{-2}{3} \div \frac{-3}{4} \div \frac{-3}{-2}$$

$$\frac{-2}{3} \times \frac{-4}{3} \times \frac{2}{3}$$

$$\boxed{\frac{16}{27}}$$

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Practice

YOU TRY!

SOLVE

$$\frac{-4}{-5} \div \frac{3}{7}$$

$$\frac{4}{5} \times \frac{7}{3}$$

$$\frac{28}{15} = \boxed{1\frac{13}{15}}$$

$$\frac{1}{6} \div -1\frac{3}{7} \frac{-10}{7}$$

$$\frac{1}{6} \times \frac{-7}{10}$$

$$\boxed{\frac{-7}{60}}$$

$$\frac{-5}{8} \div \frac{-3}{7} \div \frac{-2}{-4}$$

$$\frac{-5}{8} \times \frac{-7}{3} \times \frac{4}{2} \frac{1}{1}$$

$$\frac{35}{12} = \boxed{2\frac{11}{12}}$$

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Practice

EXAMPLES

SOLVE

$$\frac{-3}{5} \div \frac{4}{9} \times 1\frac{2}{5}$$

$$\frac{-3}{5} \times \frac{9}{4} \times \frac{7}{5}$$

$$\frac{-189}{100} = \boxed{-1\frac{89}{100}}$$

$$\frac{-2}{3} \times \frac{-1}{4} \div \frac{-3}{-4}$$

$$\frac{-2}{3} \times \frac{-1}{4} \times \frac{4}{3}$$

$$\boxed{\frac{2}{9}}$$

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Practice

YOU TRY!

SOLVE

$$\frac{1}{4} \div \frac{-2}{7} \times -1\frac{1}{5}$$

$$\frac{1}{4} \times \frac{-7}{2} \times \frac{-6}{5}$$

$$\frac{21}{20} = \boxed{1\frac{1}{20}}$$

$$\frac{-1}{3} \times \frac{-1}{5} \div \frac{-2}{6}$$

$$\frac{-1}{3} \times \frac{-1}{5} \times \frac{-6}{2}$$

$$\boxed{-\frac{1}{5}}$$

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1. Make sure you are checking your homework solutions

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2. Complete Lesson 10 worksheet